

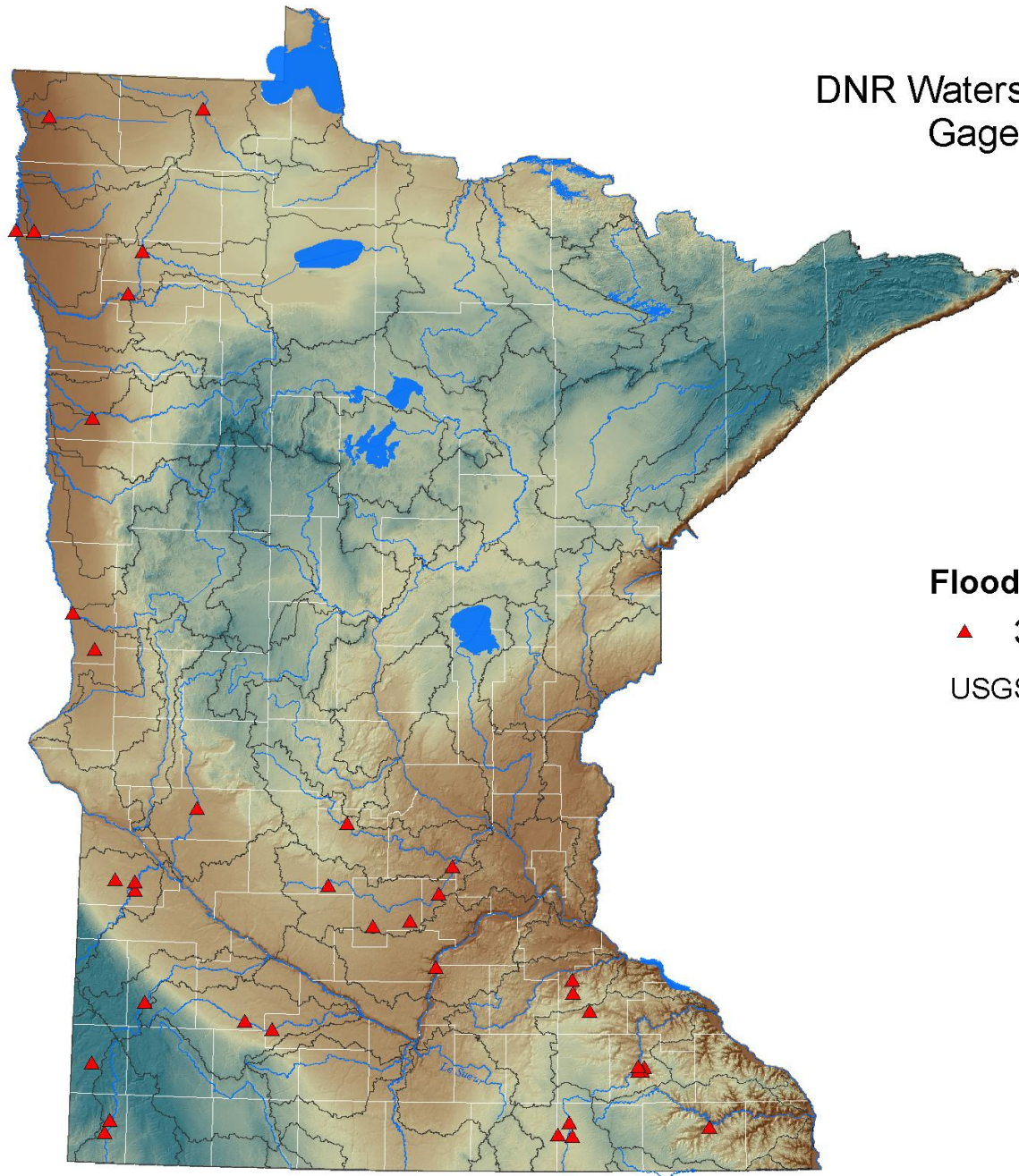
DNR Waters

Water Monitoring and Surveys Unit

- **Groundwater Monitoring:** 640 active monitoring wells
- **Lake Levels:** +1000 lake gages and over 800 volunteers
- **Survey Crew:** Provides Topographic Surveys, OHW determinations and Vertical Control Elevations.
- **Climatology:** Stores and provides interpretation of data from over 1200 weather monitoring locations.
- **Stream Flow Monitoring:** 160 active stream gages



DNR Waters Flood Warning Gage Network



Flood Warning Gages

▲ 37 Locations

USGS installation in 1998

DNR Waters Cooperative Stream Gaging Program

A collaborative effort between
Federal, State and Local
Governments:

NWS, USGS, COE, DNR, PCA,
Watershed Districts, CWPs, Counties,
SWCDs, MDA and Cities



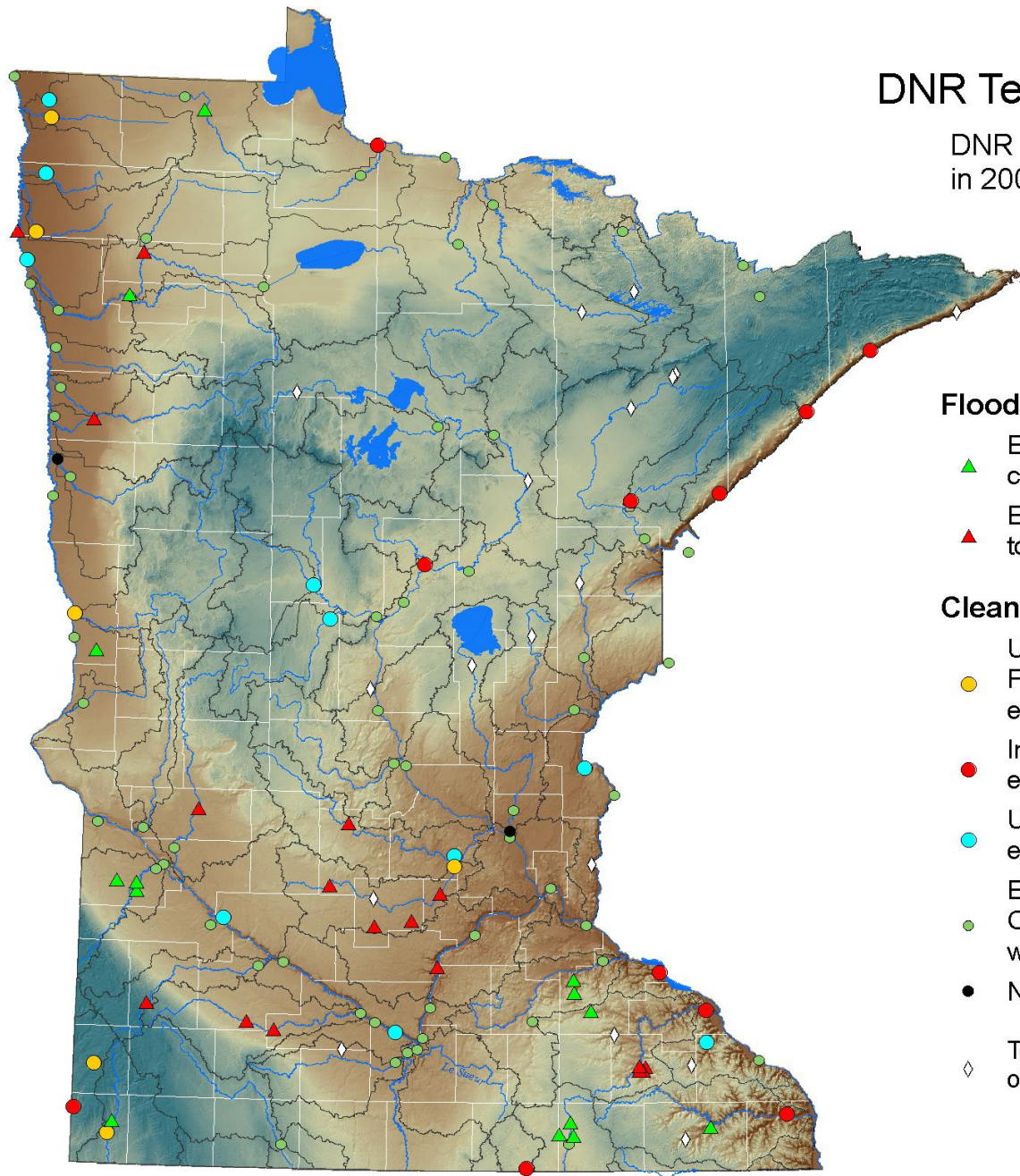
Clean Water Legacy Sites

- Install permanent stream gages at the outlet of each of the 81 major watersheds
- Provide water quantity data for water quality, flooding and low flow frequency analyses and to monitor changes within the watersheds.
- Multiple use gages



DNR Telemetry Network

DNR upgrade and installation
in 2008 and 2009



Flood Warning Gages

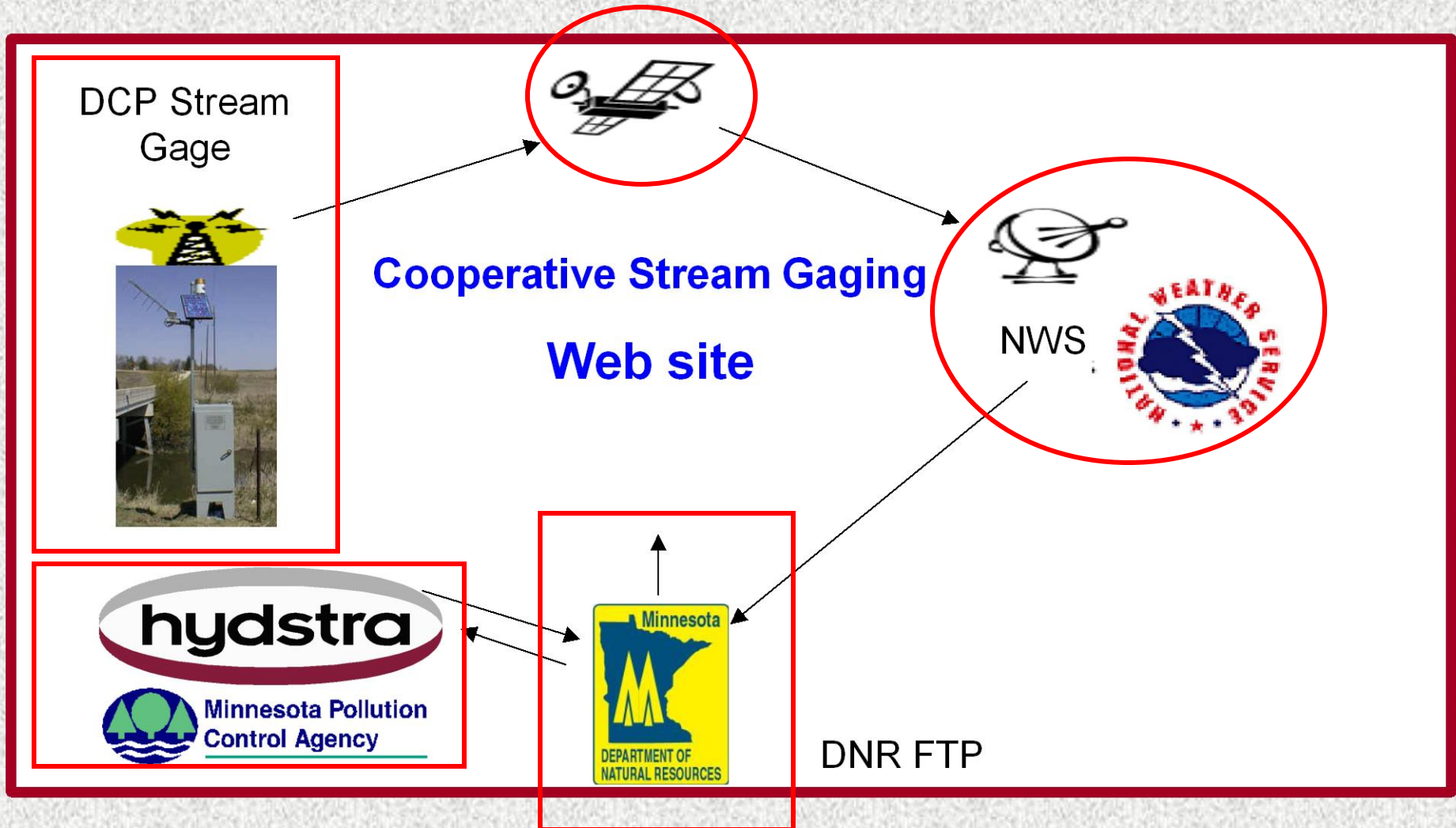
- ▲ Equipment upgrade complete (14)
- ▲ Existing equipment to be upgraded (17)

Clean Water Legacy

- Upgrade existing Flood Warning Gage equipment (6)
- Installation of new equipment (11)
- Upgrade existing equipment (10)
- Existing USGS gage
- Operation continues with current equipment (60)
- No scheduled upgrade (2)
- ◇ Telemetry gages for other DNR projects (18)

Telemetry Data from Hydstra on Web

<http://mndnr.gov/waters/csg>





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- [River and Stream Management](#)
- [Stream Hydrology Program](#)
- [Water Resources Data](#)

Climate Information

- [Minnesota Climatology Working Group](#) [EXT](#)

River Level Links

- [NWS: River Forecast Center, Chanhassen](#) [EXT](#)
- [US Army Corps of Engineers](#) [EXT](#)
- [USGS-Real time data for Minnesota](#) [EXT](#)

Water Quality Information

- [MPCA Streams and Rivers](#) [EXT](#)
- [MPCA Water Quality Data](#) [EXT](#)

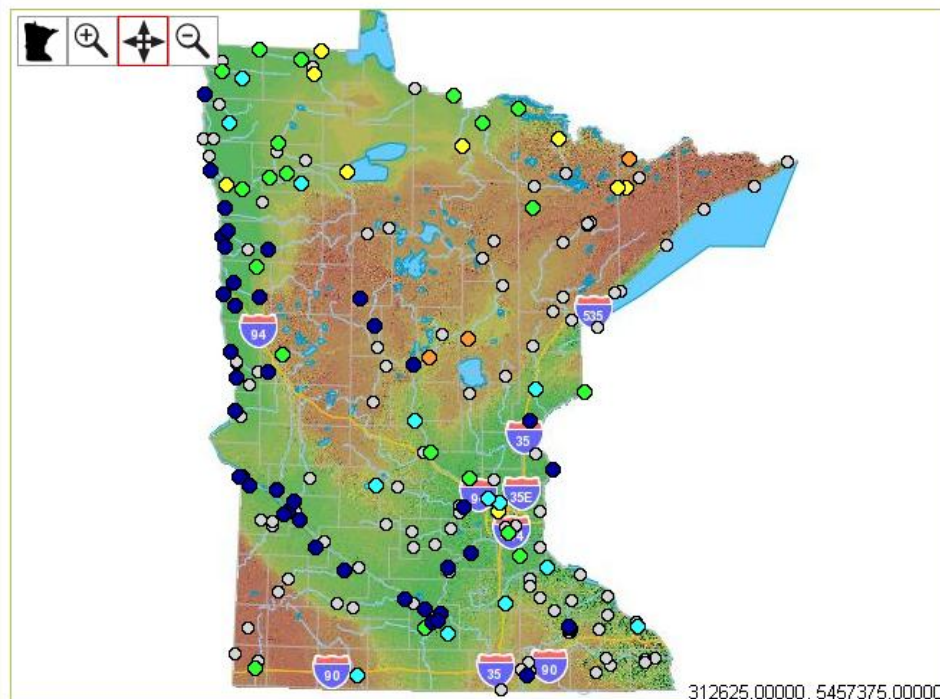
DNR/MPCA Cooperative Stream Gaging

This water data resource site provides access to near real-time and historical streamflow and water quality data. Select a gage and follow the link in the "CSG Site View" window to obtain detailed information.

We need your help! Please help us make the new CSG website better by completing a [short survey](#).

-- CSG Project Team

- Use map tools to navigate and select a gage on the [Map View](#) tab. [LakeFinder](#) information is also available in Map View by selecting a lake.
- View data in a tabular format on the [Table View](#) tab.
- Customize gages shown in the display using tools on the [Filters](#) tab.

[Map View](#) [Table View](#) [Filters](#) [Legend](#) [Site Lookup](#) [Help](#)

downloads: [map](#) | [georss](#) | [kml](#) | [shapefile](#) | [csv](#)

0 33 66 99 m

[Definitions of commonly used hydrologic terms.](#)

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DNR/MPCA Cooperative Stream Gaging

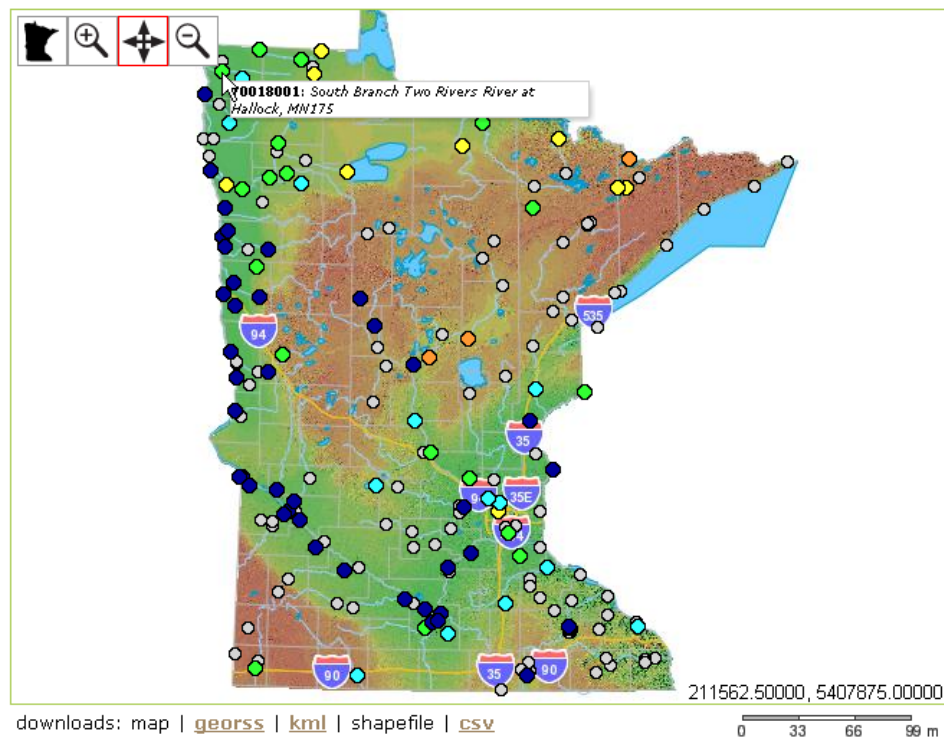
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Map View Table View Filters Legend Site Lookup Help



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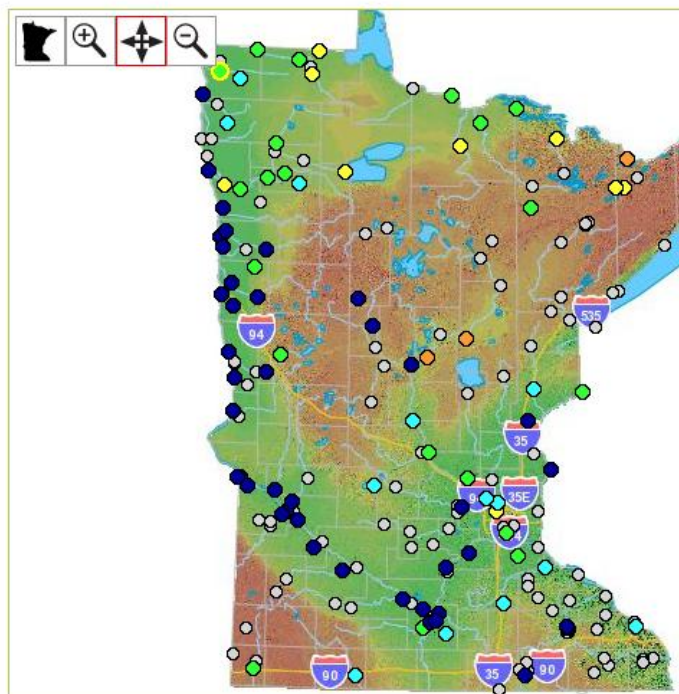
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CSG Data View

Site ID: [70018001](#)
Name: South Branch Two Rivers River at Hallock, MN175
Provider: DNR/USGS

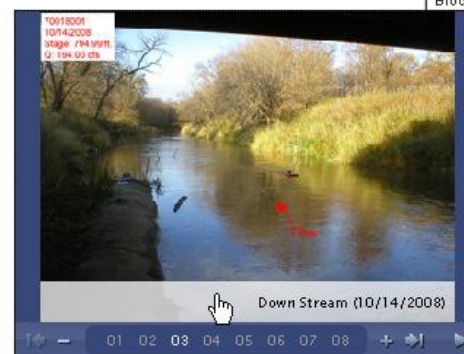
Telemetry data? yes
Archive data? yes
Water chemistry data? yes

Most recent telemetry data:
 - Flow: 24.0791 ft³/sec at 2009-11-02 11:00:00
 - Gage height: 793.1 ft at 2009-11-02 11:00:00

[site report](#)
[zoom](#) [site](#)

downloads: [map](#) | [georss](#) | [kml](#) | [shapefile](#) | [csv](#)

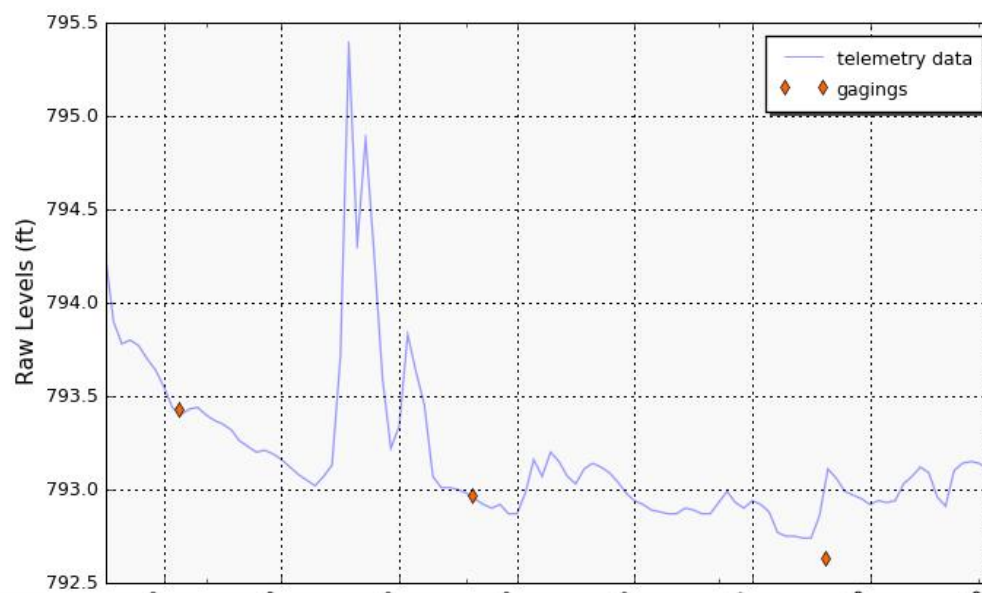
0 33 66 99 m

Site report**Summary****Site ID:** 70018001 ([description](#))**Name:** South Branch Two Rivers River at Hallock, MN175**Provider:** DNR/USGS**USGS ID:** 05095000**STORET ID:** 8005-387**Lat/Lon:** 48.775613, -96.937357**Most Recent Data****Stage:** 793.1 ft at 2009-11-02 11:00:00**Flow:** 24.0791 ft³/sec at 2009-11-02 11:00:00**Period of Record****Telemetry data:** 2009-02-19 to 2009-11-02**Archive data:** 1911-05-01 to 2005-12-05

Config Hydrograph

Hydrograph

Cross Section



Lat/Lon: 48.775613, -96.937357

Most Recent Data

Stage: 793.1 ft at 2009-11-02 11:00:00

Flow: 24.0791 ft³/sec at 2009-11-02 11:00:00**Period of Record**

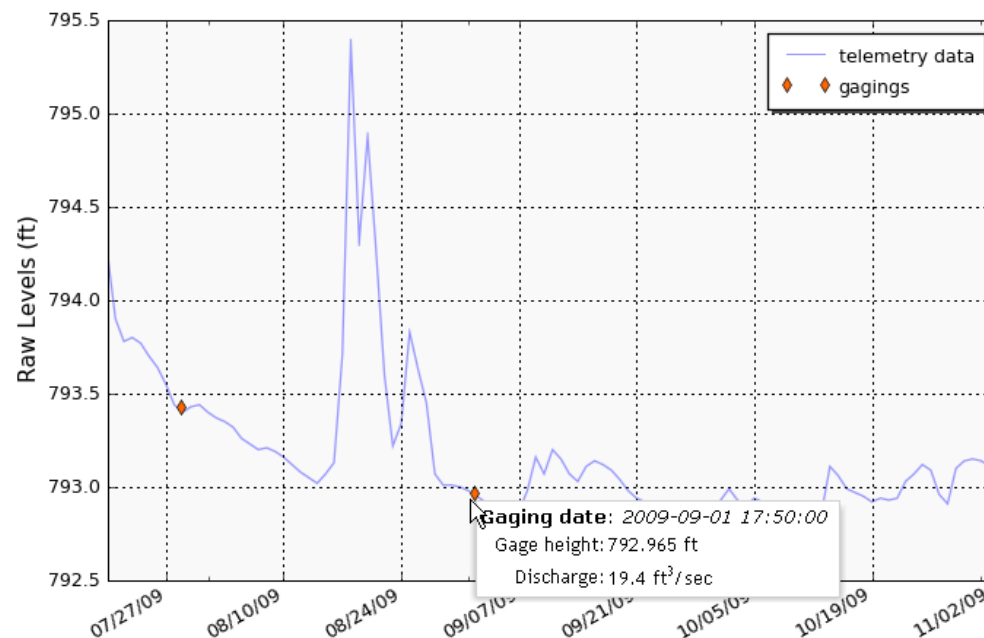
Telemetry data: 2009-02-19 to 2009-11-02

Archive data: 1911-05-01 to 2005-12-05

Config Hydrograph

Hydrograph

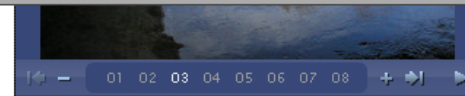
Cross Section



Download: [all water chemistry data \(csv\)](#) | [water chemistry data for above period \(csv\)](#)
[all hydro data \(csv\)](#) | [data for above period \(csv\)](#)
[all year end summary data \(html\)](#)

Most Recent Data

Stage: 793.1 ft at 2009-11-02 11:00:00

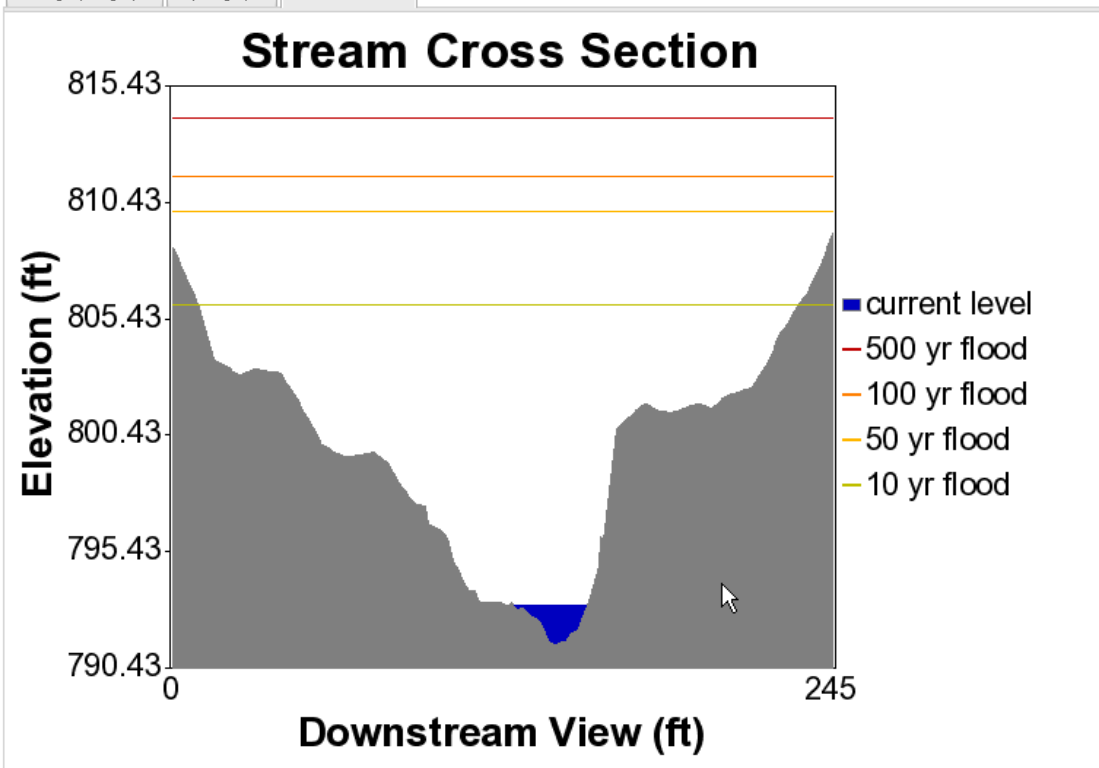
Flow: 24.0791 ft³/sec at 2009-11-02 11:00:00**Period of Record**

Telemetry data: 2009-02-19 to 2009-11-02

Archive data: 1911-05-01 to 2005-12-05

Config Hydrograph

Hydrograph

Cross Section

Download: [all water chemistry data \(csv\)](#) | [water chemistry data for above period \(csv\)](#)
[all hydro data \(csv\)](#) | [data for above period \(csv\)](#)
[all year end summary data \(html\)](#)

Definitions of [commonly used hydrologic terms](#) are also available.

Summary



Site ID: 25037001 (*description*)
Name: Hawk Creek nr Granite Falls, CR52
Provider: PCA
USGS ID: [05314530](#)
STORET ID: [8002-012](#)
Lat/Lon: 44.762221, -95.428875

Most Recent Data

Stage: 35.42 ft at 2009-11-02 11:45:00
Flow: 544.937 ft³/sec at 2009-11-02 11:45:00

Period of Record

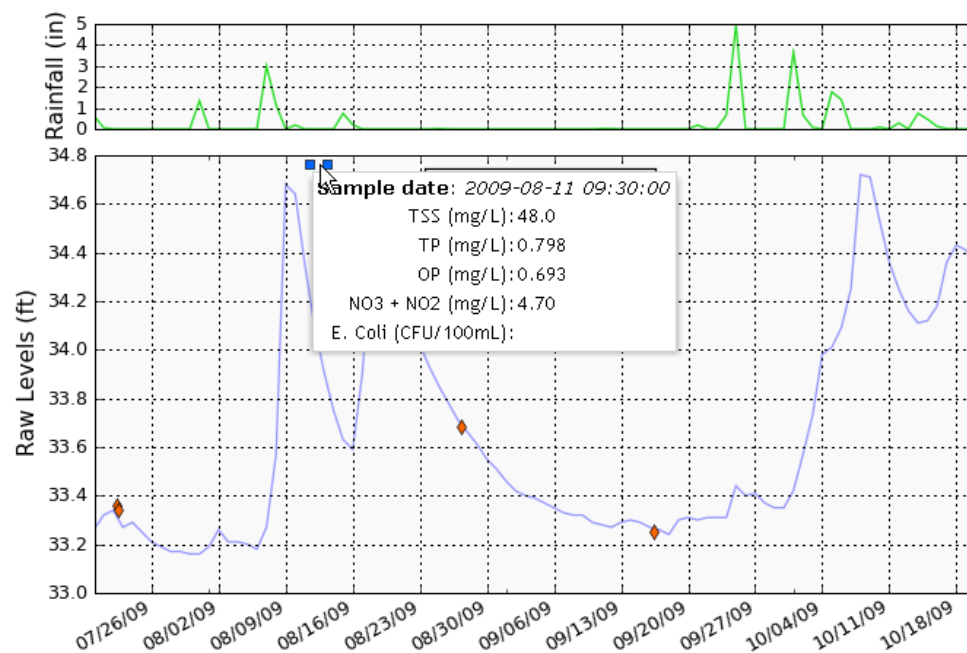
Telemetry data: 2008-12-01 to 2009-11-02
Archive data: 2005-01-01 to 2008-10-14



Config Hydrograph

Hydrograph

Cross Section



[Home](#) > [Waters Division](#) > [Stream Gaging - Cooperative DNR/MPCA](#) >**Site report****Summary**

Site ID: 25037001 ([description](#))
Name: Hawk Creek nr Granite Falls, CR52
Provider: PCA
USGS ID: [05314530](#)
STORET ID: [S002-012](#)
Lat/Lon: 44.762221, -95.428875

**Most Recent Data**

Stage: 35.42 ft at 2009-11-02 11:45:00
Flow: 544.937 ft³/sec at 2009-11-02 11:45:00

Period of Record

Telemetry data: 2008-12-01 to 2009-11-02
Archive data: 2005-01-01 to 2008-10-14

Config Hydrograph

Hydrograph

Cross Section

Variable

Discharge (cfs)
Discharge (cfs)
Raw Levels (ft)
Soil Temperature (F°)
Water Temperature (F°)

Additional Data

- ☐ show rainfall subplot
☐ show gagings
☐ show photos
☐ show water chemistry

Options

- ☒ show legend
☒ show grid

update hydrograph